

**Contract CO1:     createOffering**

**Operation:**     createOffering(location: Location, time: Schedule)

**Cross References:**     Sequence Diagram: Process Offerings

**Preconditions:**     - Administrator is logged onto the system

**Postconditions:**     - An id for the new offering is generated and assigned to the new offering (attribute modification)  
                              - An Offering instance o was created (instance creation)  
                              - Offering instance o was added to the collection of offerings (association formed)

**Contract CO2:     viewOfferings**

**Operation:**     viewOfferings()

**Cross References:**     Sequence Diagram: Process Offerings

**Preconditions:**     - Instructor is logged onto the system

**Postconditions:**     - A list of all offerings is displayed to the system

**Contract CO3:     selectOffering**

**Operation:**     selectOffering(id: Integer)

**Cross References:**     Sequence Diagram: Process Offerings

**Preconditions:**     - Instructor is logged onto the system  
                              - Available offerings are displayed to the system

**Postconditions:**     - System searches offering collection to check if the offering is available

**Contract CO4:     assignInstructor**

**Operation:**     assignInstructor(instructorId: Integer)

**Cross References:**     Sequence Diagram: Process Offerings

**Preconditions:**     - Instructor selects an offering  
                              - The selected offering instance is available to be booked

**Postconditions:**     - o.instructorId is set to instructorId (attribute modification)